

# Successes in climate adaptation and mitigation

## The Pacific Experience

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# Outline of Presentation

- ❖ **Short Overview of Regional Frameworks**
- ❖ **Successful approaches and practices tailored to country specific needs**
- ❖ **Mitigation efforts – food security sector**



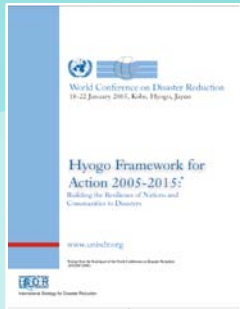
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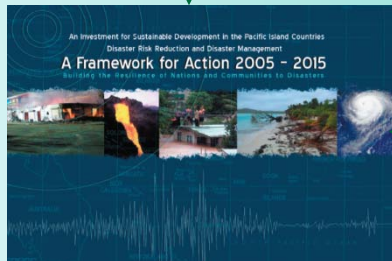
# Regional & International Frameworks for DRM & CCA



Hyogo Framework for Action, 2005



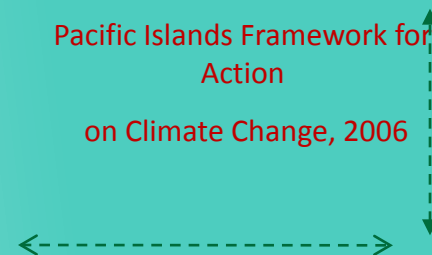
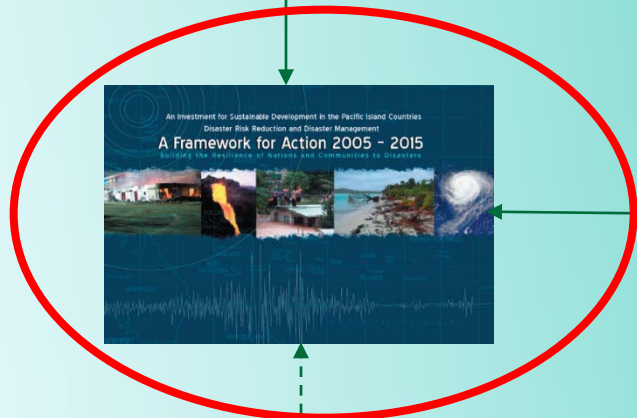
Pacific Islands Framework for Action on Climate Change, 2006



Pacific DRR & DM Framework for Action, 2005



Pacific Plan, 2005



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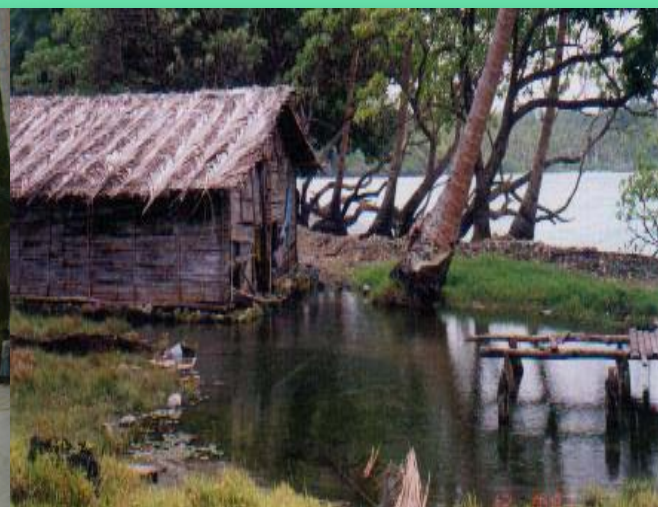


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# Climate Change is happening!

The lack of coping capacity is a challenge in the Pacific.....

Need to address impacts of climate change already faced by our people.



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# Strengthening institutions and improving coordination on climate change and food security

- Countries are now putting in place policy interventions to **strengthen governments' efforts to better respond** to the adaptation needs of their people.
- Development of **Joint Action Plans** better cross sectoral planning on issues such as food security and climate change.
- Institutional/human capacity in place to **better coordinate** PACC & other climate change initiatives.



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# 'Climate Smart Agriculture' programmes tailored to country needs on food security

- Not enough to **change practice** – need to change **farming systems** in the long term. In Palau, a traditional water engineering and management practice that involves channeling water through taro plots to reduce salt water intrusion is being carried out.
- **Change in the farming system** to an agroforestry-based taro production system is inevitable.



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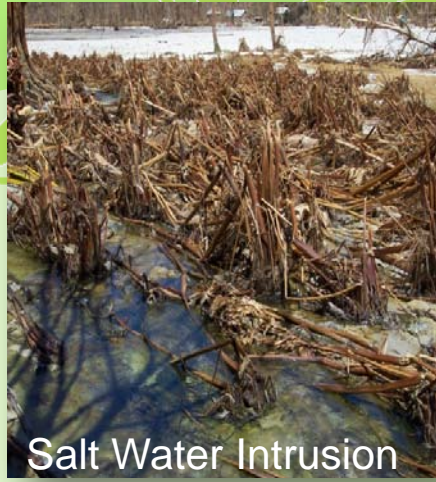
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# Ecosystem Based Adaptation



Salt Water Intrusion



Yellowish of different crop leaves



Crops grown on the sand

A healthy ecosystem will bounce back quickly when hit by climate change exposures.

Ecosystem based Adaptation (EbA) is a key element of adapting to climate change. Environmentally friendly practices and approaches promoted to restore important ecosystems in the Pacific.



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# Water vital for food security in the Pacific



March-Oct 2011 and drought conditions caused water shortages and damages to flora, fauna and crops that people depend on.

Fruit dropped off before ripening



Tonga, Tuvalu, Marshall, Tokelau, Nauru & Niue



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# Climate Proofing of Infrastructures



- Majority of our rural population subsist in the margins of development.
- Poor roading conditions does not allow them to contribute to broader development goals that can have positive effects to their livelihoods and the country.
- The PACC project supports climate proofing of infrastructures in the Federated States of Micronesia and Epi Island in Vanuatu.



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# Climate ready collections

- In the Pacific, [the Centre for Pacific Crops and Trees \(CePaCT\)](#) is based in Fiji at the Secretariat of the Pacific Community (SPC).
- The aim of CePaCT is to assist Pacific Island countries and territories (PICTs) to conserve the region's genetic resources, and to provide access to the diversity they need, when they need it.



Impact of intensive tropical cyclone



King tides



Overtopping



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# Mitigating climate change in agriculture

- There is a need to better track the reduction or removal of Greenhouse Gases in the Pacific region's agricultural systems to mitigate against climate change.
- Most of the work currently being carried out is already contributing to this goal, but it is not viewed from the perspective of climate change mitigation.



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# Thank You...



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